



Rabbit Anti-RNF12 antibody

SL9177R

Product Name:	RNF12
Chinese Name:	Ring finger protein12抗体
Alias:	RLIM; RING finger LIM domain-binding protein; Ring finger protein 12; RNF12 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	69kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RNF12:525-624/624
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	RLIM, also known as RNF12 (RING finger protein 12) or NY-REN-43, is a 624 amino acid RING-H2 zinc finger protein that is involved in protein ubiquitinylation and subsequent degradation. Expressed in a variety of tissues, RLIM binds to the LIM domain of various proteins and functions as a protein ligase that negatively co-regulates LIM homeodomain (LIM-HD) transcription factors. Through its interaction with Sin3A, a component of the histone deacetylase corepressor complex, RLIM is able to recruit the

corepressor complex to LIM-HD proteins, thereby inhibiting LIM-HD transcription. In addition to recruiting the deacetylase complex to LIM-HD proteins, RLIM is able to bind to, ubiquitinate and subsequently degrade CLIM proteins, which function as positive co-regulators of LIM-HD transcription factors. RLIM contains one RING-type zinc finger and is implicated in renal cell carcinoma.

Function:

E3 ubiquitin-protein ligase. Acts as a negative coregulator for LIM homeodomain transcription factors by mediating the ubiquitination and subsequent degradation of LIM cofactors LDB1 and LDB2 and by mediating the recruitment the SIN3a/histone deacetylase corepressor complex. Ubiquitination and degradation of LIM cofactors LDB1 and LDB2 allows DNA-bound LIM homeodomain transcription factors to interact with other protein partners such as RLIM. Plays a role in telomere length-mediated growth suppression by mediating the ubiquitination and degradation of TERF1. By targeting ZFP42 for degradation, acts as an activator of random inactivation of X chromosome in the embryo, a stochastic process in which one X chromosome is inactivated to minimize sex-related dosage differences of X-encoded genes in somatic cells of female placental mammals.

Subunit:

Interacts with LIM/homeobox factors such as LHX3. Interacts with LDB1, LDB2 and SIN3A (By similarity). Interacts with LIMK1 (By similarity). Interacts (via N-terminus) with TERF1. Interacts (via C-terminus) with ESR1.

Subcellular Location:

Cytoplasmic and Nuclear

Tissue Specificity:

Expressed in many tissues.

Similarity:

Belongs to the RNF12 family.
Contains 1 RING-type zinc finger.

SWISS:

Q9NVW2

Gene ID:

51132

Database links:

[Entrez Gene: 51132](#)Human

[Entrez Gene: 19820](#)Mouse

[Entrez Gene: 317241](#)Rat

[Oimim: 300379](#)Human

[SwissProt: Q9NVW2](#)Human

[SwissProt: Q9WTV7](#)Mouse

[Unigene: 653288](#)Human

[Unigene: 427762](#)Mouse

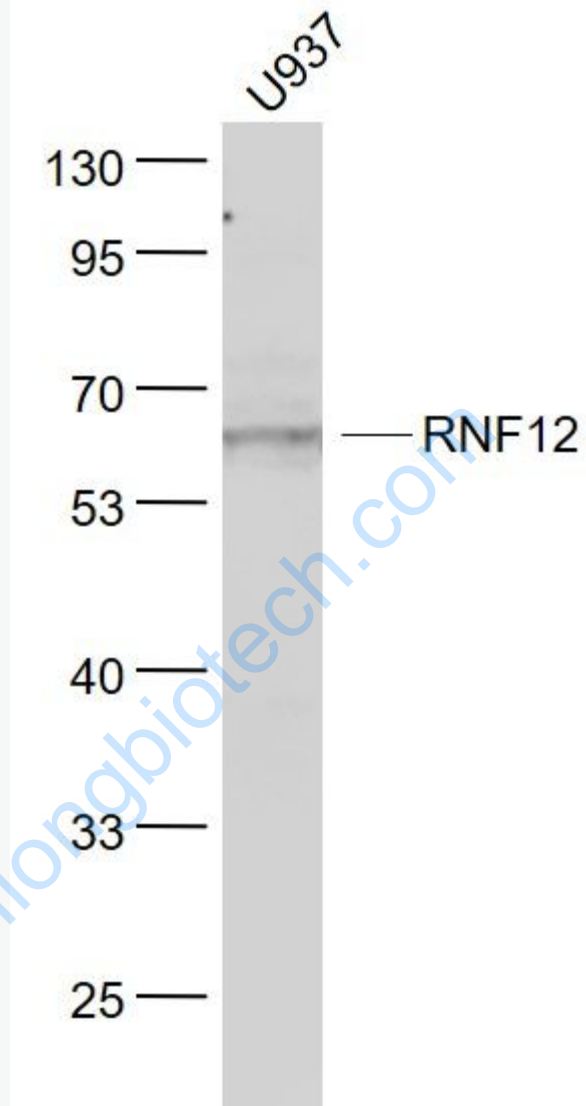
[Unigene: 490660](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

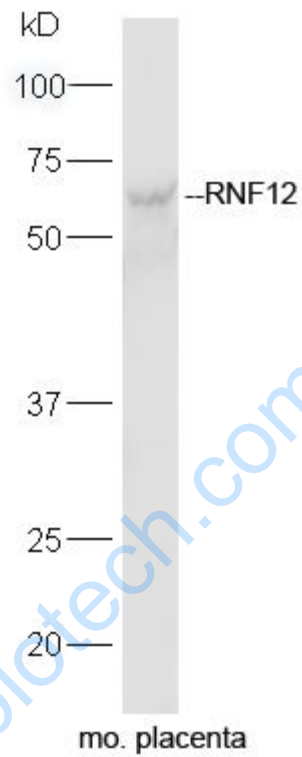
U937(Human) Cell Lysate at 30 ug

Primary: Anti- RNF12 (SL9177R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 69 kD

Observed band size: 67 kD



Sample:

placenta (Mouse) Lysate at 40 ug

Primary: Anti-RNF12 (SL9177R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 69 kD

Observed band size: 69 kD